

ABSTRACT OF THE DISCLOSURE

A one-piece lathe tool for boring with a cross-section of less than 10 mm, includes an essentially-cylindrical tool body intended to be inserted and held in a tool support which is traversed by at least one lubricant supply channel. One end of the tool body extends into a neck which terminates in a head that forms the active part of the tool. In order to ensure good lubrication, the neck is offset in relation to the axis of the tool body, while, at the end of the neck, the head is offset in relation to the axis. The head, together with the cutting edge thereof, falls within and is essentially tangent to the periphery of a cylindrical space corresponding to the extension of the tool body. A machining assembly including such a one-piece lathe tool and a tool support are also disclosed.